

### ABSTRACT OF THE DISCLOSURE

A positioning device for a diagnostic imaging system includes a patient bed on which a patient can be moved from an exterior preparation position into the diagnosis system, a picture screen and one or more cameras arranged over and/or next to the patient bed in the region of the preparation position and that is coupled with the picture screen and a computer. The desired examination region is selected in the patient image on the picture screen with a region selection device in order to automatically move the patient with the selected examination region into the diagnostic imaging system, the patient being on a patient bed provided with a position acquisition device.